GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:5474
ANSWERED ON:06.04.2017
Generation of Renewable Energy
Kushwaha Shri Ram Kumar Sharma

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the Government has implemented any policy to incentivise the generation of renewable energy in the country;
(b) if so, the assessment with regard to pollution caused by renewable energy, hydro-power and thermal power; and
(c) the targets set by the Government with regard to the generation of renewable power from different sources of energy by the year 2019, source-wise?

Answer

THE MINISTER OF STATE FOR POWER, COAL, NEW & RENEWABLE ENERGY AND MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a): The details of policies being implemented by the Government to promote the generation of renewable energy in the country interalia include suitable amendments to the Electricity Act and Tariff Policy for strong enforcement of Renewable Purchase Obligation (RPO) and for providing Renewable Generation Obligation (RGO); setting up of exclusive solar parks; development of power transmission network through Green Energy Corridor project; identification of large Government complexes/ buildings for rooftop projects; provision of roof top solar and 10 percent renewable energy as mandatory under Mission Statement and Guidelines for development of smart cities; amendments in building bye-laws for mandatory provision of roof top solar for new construction or higher Floor Area Ratio; infrastructure status for solar projects; raising tax free solar bonds; providing long tenor loans; making roof top solar as a part of housing loan by banks/ NHB; incorporating measures in Integrated Power Development Scheme (IPDS) for encouraging distribution companies and making net-metering compulsory and raising funds from bilateral and international donors as also the Green Climate Fund to achieve the target.

(b): As per Central Electricity Authority (CEA)'s assessment report for April 2016, entitled "CO2 Baseline Database for the Indian Power Sector", the total emission of the Power Sector in India for the FY 2014-15 was 805.4 million tonnes of CO2 comprising of Coal, Diesel, Gas, Lignite and Oil based fossil fuel stations. Further, the weighted average of 0.83 tonnes CO2 per MWh of energy generation is reduced by Renewables and Hydro-power.

(c): The Government has up-scaled the target of renewable energy capacity to 175 GW by the year 2022, which includes 100 GW from solar, 60 GW from wind, 10 GW from bio-power and 5 GW from small hydro-power.
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